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## PROCEEDINGS.

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The Academy convened in Science hall of the State Agricultural College, at Manhattan, Thursday, December 27. President Sayre occupied the chair. The President appointed the following committees:

On program and press: E. C. Murphy, N. S. Mayo, C. M. Breese.  
On membership: Robt. Hay, I. D. Graham, J. M. Price.  
On resolutions: W. A. Harshbarger, E. H. S. Bailey, S. W. Williston.  
On nominations: A. S. Hitchcock, A. H. Thompson, E. A. Popenoe.  
On time and place of next meeting: J. T. Willard, B. B. Smyth, D. S. Kelly, F. H. Snow, W. Knaus.

In the evening the Academy and friends were entertained in the Agricultural Science hall by a lecture by the retiring President, Dr. L. E. Sayre, on the subject, "Medicinal Plants." The lecture was illustrated by numerous lantern slides representing many of the plants of the *materia medica* in cross-section, powder, growing form, and method of cultivation.

Friday, December 28, the Academy met in the chemical laboratory of the Agricultural College.

The following gentlemen were elected to membership: B. F. Eyer, Hiawatha; J. W. Beede, Topeka; V. L. Layton, Lawrence; H. P. Cady, Lawrence.

Treasurer D. S. Kelly made his report. The report was accepted and adopted, after reference to an auditing committee consisting of J. M. Price and C. M. Breese.

The following papers were then read:

1. The Eastern Extension of the Cretaceous Formations in Kansas, together with Notes on Certain Sand Hills, by Robt. Hay.
2. The Collection and Storage of Water in Kansas, by E. C. Murphy.
3. Rock Exposures about Atchison, by J. M. Price.
4. Atchison Coal, by E. B. Knerr.
5. Two New Streptococci, Probably Pathogenic, by N. S. Mayo.
6. Geometrical Models, by Arnold Emch.
7. Chemical Examination of Counterfeit Gold Dust, by V. L. Layton and H. P. Cady.
8. How the Pheasant Drums, by J. R. Mead.
9. Sand Dune Collecting Notes, by W. Knaus.
10. A Study of Premolars, by A. H. Thompson.
11. Geology in Southeast Kansas, by E. Haworth.
12. New Cretaceous and Tertiary Vertebrates, by S. W. Williston.
13. Velocity of Wind at Lawrence for Twenty Years, by F. H. Snow.
14. An Annotated List of Birds of Manhattan and Vicinity, by D. E. Lantz.
15. Notes on *Loxia Curvirostra Stricklandii*, by D. E. Lantz.

The following persons were elected to membership: Miss Bertha Kimball, Manhattan; Erasmus Haworth, Lawrence; J. B. S. Norton, Manhattan; Miss

Lora Walters, Manhattan; A. W. Jones, Salina; C. B. Hoffman, Oberlin; J. T. Lovewell, Topeka; D. E. Lantz, Manhattan; Arnold Emch, Lawrence; J. D. Walters, Manhattan.

Professor Popenoe extended an invitation to the Academy to assemble in the new Library and Agricultural Science hall shortly after 6 p. m., for the purpose of dedicating the building and to partake of the banquet. The invitation was accepted. J. T. Willard, as chairman of the committee on time and place of meeting, reported the following:

"Your committee recommends that we meet during the holidays the next week after the meeting of the State Teachers' Association, at Lawrence." On motion, the report was adopted, and it was voted to meet accordingly.

In the evening the Academy met in the new Science hall to enjoy the banquet and dedicatory exercises in that building. About 100 members and guests were present. Speeches were made as follows:

For the Kansas Academy of Science—Dr. L. E. Sayre; subject, "Science and Industries." Dr. A. H. Thompson; subject, "Books as Tools of Science."

For the building—Hon. Wm. Knipe, Manhattan; Seymour Davis, Topeka.

For the college—Rev. Washington Marlatt, Manhattan; W. D. Street, Oberlin.

For the alumni—S. W. Williston, Lawrence; F. A. Waugh, Stillwater, O. T.

For education—F. H. Snow, Lawrence; F. D. Coburn, Topeka.

For the state—Geo. T. Anthony, Ottawa; G. W. Glick, Atchison.

For the world—W. B. Sutton, Russell.

Saturday, the Academy met in chemical laboratory, President Sayre in the chair.

The following officers were reported elected for the ensuing year: President, W. Knaus; First Vice-President, I. D. Graham; Second Vice-President, S. W. Williston; Secretary, E. B. Knerr; Treasurer, D. S. Kelly; Librarian, B. B. Smyth; Curators, B. B. Smyth, A. H. Thompson, Robt. Hay.

The following were elected to membership: J. E. Taylor, Berryton; A. S. Dunstan, Lawrence.

Librarian B. B. Smyth offered his report, which was adopted. The recommendation that the list of correspondents of the Academy be published was referred to the publication committee. It was the opinion of the Academy that the list should be published.

The report of the Curators was presented by B. B. Smyth, and adopted and a vote of thanks was given the Curators for their efficient labors.

B. B. Smyth exhibited the certificate of membership ordered at last meeting.

The following papers were read:

16. Variation in the Composition of Taraxacum Root, by L. E. Sayre.
17. The Rotation of Mercury and Venus, by E. Miller.
18. Conorrhinus: its Life History and Habits, by Miss Bertha Kimball.
19. Oil and Natural Gas in Kansas, by E. H. S. Bailey.
20. Terminal Boulder Train in Shawnee County, by B. B. Smyth.
21. The Topeka Coal Hole, by B. B. Smyth.

The following papers were read by title:

22. Volcanic Effects in Kansas, by Z. S. Sharp.
23. Some Remarkable Sink-holes in Sherman County, by Robert Hay.
24. A List of Wyandotte County Ferns, with Notes, by Minnie Reed.
25. Additions to the Flora of Kansas, by B. B. Smyth.
26. A New Collecting Ground for Cicindela Limbata, by W. Knaus.

27. An Undescribed Rhincolus from Central Kansas, by W. Knaus.
28. Ethyl and Methyl Alcohol on Ortho- and Meta-diazo-benzene-sulphonic Acid, by E. C. Franklin.
29. Curvature of Fans, by E. C. Murphy.
30. Harmonic Series, by B. B. Smyth.
31. Botanical Notes from Northwest Kansas, by B. B. Smyth.
32. Recent Cutting of the Missouri River at Atchison, by J. M. Price.
33. Parasitism in *Aphyllon uniflorum*, by J. M. Price.
34. A Theory of the Cosmos, by E. B. Knerr.
35. Cattle Poisoning by Nitrate of Potash, by N. S. Mayo.
36. A Preliminary List of Kansas Hymenoptera, by E. A. Popenoe.
37. Economic Plants of Japan, by C. C. Georgeson.
38. Notes on Plants in the Herbarium of the State Agricultural College, by A. S. Hitchcock.
39. Erysipheae of Riley County, Kansas, by Lora L. Walters.
40. Kansas University Water Supply, by E. C. Murphy.

The Academy then adjourned to meet in one year at Lawrence, as per resolution.

E. B. KNERR, Secretary.

CORRIGENDA.

(Errata are the editor's especial abhorrence.)

The meeting at Manhattan, recorded on page 87, was held December 27, 1894.

The name Lora L. Walters, occurring on pages 88, 89, 200, 366, and 370, should be Lora L. Waters, wherever it occurs.

The name Z. S. Sharp, on page 88, should be S. Z. Sharp.

The name T. D. Hewitt, page 367, should be J. D. Hewitt.

The name T. R. Mead, on page 368, should be J. R. Mead.

The name Henride Sausure, page 369, should be Henri de Saussure.

The name Dr. Jacob Schenck, page 369, should be Dr. Jacob Schneck.

The name Alva T. Smith, page 369, should be Alva J. Smith.

The name T. D. Walters, page 370, should be J. D. Walters.

Other errors are obvious enough, and may be corrected or overlooked by the courteous reader.